

**IN THE CLAIMS:**

1 1. (CANCELLED)

1 2. (CANCELLED)

1 3. (CANCELLED)

1 4. (ORIGINAL) A method for generating a point-in-time restoration of a set of database files  
2 and a set of associated log files to an active file system, the method comprising the steps of:  
3 selecting, by a user, a backup to restore therefrom, the backup comprising a snapshot  
4 of a file system including the set of database files and copies of the associated log files;  
5 verifying the selected backup for coherency;  
6 copying, in response to the backup being coherent, the snapshot of the set of database  
7 files to the active file system; and  
8 copying, in response to the backup being coherent, the copies of the associated log  
9 files to the active file system.

1 5. (PREVIOUSLY PRESENTED) The method of claim 4 wherein the step of copying the  
2 snapshot to the active file system further comprises the step of:  
3 copying contents of a root inode associated with the snapshot to a root inode associ-  
4 ated with the active file system.

1 6. (ORIGINAL) The method of claim 4 wherein the backup is selected from a set of backups  
2 associated with the active file system.

1 7. (CURRENTLY AMENDED) The method of claim 4 wherein the method further com-  
2 prises the step of:

3       renaming the copies of the associated log files to a set-naming convention of a data-  
4       base server.

1       8. (ORIGINAL) The method of claim 4 wherein the database files and log files are associ-  
2       ated with electronic mail messages.

1       9. (ORIGINAL) The method of claim 4 wherein the set of associated log files further com-  
2       prises data to be incorporated into the set of database files.

1       10. (ORIGINAL) A method for generating a point-in-time restoration of a set of database  
2       files and a set of associated log files to an active file system, the method comprising the steps  
3       of:

4             selecting, a backup to restore therefrom, the backup comprising a snapshot of a file  
5       system including the set of database files, copies of the associated log files and copies of log  
6       files associated with a set of snapshots created later in time than the selected snapshot;

7             verifying the selected backup;

8             copying, in response to the backup being successfully verified, the snapshot of the set  
9       of database files to the active file system;

10            copying, in response to the backup being successfully verified, the copies of the asso-  
11       ciated log files to the active file system; and

12            copying the copies of the log files associated with the set of snapshots created later in  
13       time than the selected snapshot to the active file system.

1       11. (PREVIOUSLY PRESENTED) The method of claim 10 wherein the step of selecting  
2       the backup to restore from further comprises the step of:

3             a user selecting, from a set of backups to restore from.

1 12. (PREVIOUSLY PRESENTED) The method of claim 10 wherein the step of copying the  
2 snapshot to the active file system further comprises the step of:

3 copying contents of a root inode associated with the snapshot to a root inode associ-  
4 ated with the active file system.

1 13. (PREVIOUSLY PRESENTED) The method of claim 10 wherein the method further  
2 comprises the step of:

3 renaming the copies of the associated log files to a set naming convention.

1 14. (ORIGINAL) A method for generating a point-in-time restoration from a set of backups,  
2 each of the set of backups comprising a snapshot and copies of a set of log files associated  
3 with the snapshot, the method comprising the steps of:

4 selecting one of the set of backups to generate the point-in-time restoration therefrom;  
5 copying the database files from the snapshot to an active file system; and  
6 copying the copies of the set of log files to the active file system.

1 15. (ORIGINAL) The method of claim 14 wherein the method further comprises the step  
2 of:

3 renaming the copies of the associated log files to a set naming convention.

1 16. (PREVIOUSLY PRESENTED) The method of claim 14 wherein the step of copying the  
2 snapshot to the active file system further comprises the step of:

3 copying contents of a root inode associated with the snapshot to a root inode associ-  
4 ated with the active file system.

1 17. (ORIGINAL) A method for generating a backup of a set of database files associated  
2 with the database program and a set of associated log files, the method comprising the steps  
3 of:

4 performing a snapshot operation on the set of database files; and

5 copying the set of log files to a directory associated with the backup.

1 18. (PREVIOUSLY PRESENTED) The method of claim 17 wherein the method further  
2 comprises the step of:

3 validating a snapshot generated by the snapshot operation.

1 19. (ORIGINAL) The method of claim 18 wherein the method further comprises the step  
2 of:

3 marking, in response to a successful validation of the snapshot, the snapshot as a  
4 backup snapshot.

1 20. (ORIGINAL) A computer-readable medium, including instructions executing on a com-  
2 puter, for generating a point-in-time restoration of a set of database files and a set of associ-  
3 ated log files to an active file system, the program instructions including instructions for per-  
4 forming the steps of:

5 selecting, by a user, a backup to restore therefrom, the backup comprising a snapshot  
6 of a file system including the set of database file and copies of the associated log files;

7 verifying the selected backup;

8 copying, in response to the backup being successfully verified, the snapshot of the set  
9 of database files to the active file system; and

10 copying, in response to the backup being successfully verified, the copies of the asso-  
11 ciated log files to the active file system.

1 21. (ORIGINAL) A computer-readable medium, including instructions executing on a com-  
2 puter, for generating a point-in-time restoration of a set of database files and a set of associ-  
3 ated log files to an active file system, the program instructions including instructions for per-  
4 forming the steps of:

5           selecting, a backup to restore therefrom, the backup comprising a snapshot of a file  
6   system including the set of database files, copies of the associated log files and copies of log  
7   files associated with a set of snapshots created later in time than the selected snapshot;  
8           verifying the selected backup;  
9           copying, in response to the backup being successfully verified, the snapshot of the set  
10   of database files to the active file system;  
11           copying, in response to the backup being successfully verified, the copies of the asso-  
12   ciated log files to the active file system; and  
13           copying the copies of the log files associated with the set of snapshots created later in  
14   time than the selected snapshot to the active file system.

1   22. (PREVIOUSLY PRESENTED) A method for generating a backup of a file system, the  
2   method comprising the steps of:

3           rendering the file system coherent in preparation for generating the backup, to pro-  
4   duce a coherent file system; and

5           creating a snapshot of the coherent file system, the snapshot created as a copy of a set  
6   of pointers to data, the data stored in the coherent file system.

1   23. (PREVIOUSLY PRESENTED) The method as in claim 22, further comprising:  
2           incorporating a log file into the file system to render the file system coherent.

1   24. (PREVIOUSLY PRESENTED) The method as in claim 22, further comprising:  
2           maintaining the file system available for access by users while generating the backup.

1   25. (PREVIOUSLY PRESENTED) A file system, comprising:

2           means for rendering the file system coherent in preparation for generating the backup,  
3   to produce a coherent file system; and

4           means for creating a snapshot of the coherent file system, the snapshot created as a  
5   copy of a set of pointers to data, the data stored in the coherent file system.

1 26. (PREVIOUSLY PRESENTED) The file system of claim 25, further comprising:  
2 means for incorporating a log file into the file system to render the file system coher-  
3 ent.

1 27. (PREVIOUSLY PRESENTED) The file system of claim 25, further comprising:  
2 means for maintaining the file system available for access by users while generating  
3 the backup.

1 28. (PREVIOUSLY PRESENTED) A file system, comprising:  
2 a processor to render the file system coherent in preparation for generating the  
3 backup, to produce a coherent file system; and  
4 a snapshot manager to create a snapshot of the coherent file system, the snapshot cre-  
5 ated as a copy of a set of pointers to data, the data stored in the coherent file system.

1 29. (PREVIOUSLY PRESENTED) The file system of claim 25, further comprising:  
2 the processor to incorporate a log file into the file system to render the file system co-  
3 herent.

1 30. (PREVIOUSLY PRESENTED) The file system of claim 25, further comprising:  
2 the processor and an operating system to maintain the file system available for access  
3 by users while generating the backup.

1 31. (PREVIOUSLY PRESENTED) A computer readable media, comprising:  
2 said computer readable media containing instructions for execution on a processor for  
3 the practice of a method for generating a backup of a file system, the method having the steps  
4 of:  
5 rendering the file system coherent in preparation for generating the backup, to pro-  
6 duce a coherent file system; and

7           creating a snapshot of the coherent file system, the snapshot created as a copy of a set  
8 of pointers to data, the data stored in the coherent file system.

1   32. (PREVIOUSLY PRESENTED) Electromagnetic signals propagating on a computer  
2 network, comprising:

3           said electromagnetic signals carrying instructions for execution on a processor for the  
4 practice of a method for generating a backup of a file system, the method having the steps of:  
5           rendering the file system coherent in preparation for generating the backup, to pro-  
6 duce a coherent file system; and

7           creating a snapshot of the coherent file system, the snapshot created as a copy of a set  
8 of pointers to data, the data stored in the coherent file system.